

R^1 is NH_2 - or an amino acid sequence $X^3 - X^4 - X^5$

wherein X^3 is an aliphatic amino acid residue having a side chain hydroxyl group and X^4 and X^5 are the same or different and are any amino acid residue and wherein R^2 is 1 to 3 amino acid residues which are the same or different and are aliphatic amino acid residues or of an effective fragment or derivative of said peptide.

15. (Amended) A method of reducing an anaphylactic reaction in a mammal comprising administering an effective amount of a peptide of the formula:

$R^1 - X^1 - X^2 - R^2$

wherein X^1 is an aromatic amino acid residue;

X^2 is any amino acid residue; and

R^1 is NH_2 - or an amino acid sequence $X^3 - X^4 - X^5$

wherein X^3 is an aliphatic amino acid residue having a side chain hydroxyl group and X^4 and X^5 are the same or different and are any amino acid residue and wherein R^2 is 1 to 3 amino acid residues which are the same or different and are aliphatic amino acid residues or of an effective fragment or derivative of said peptide to the mammal.

17. (Amended) A method for treating systemic inflammatory response syndrome (SIRS) in a mammal comprising administering to the mammal an effective amount of the peptide of claim 11 of an effective fragment or derivative of said peptide.

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92.

(Amended) The method of claim ~~14~~ wherein

X¹ is an aromatic amino acid residue;

X² is an acidic amino acid residue;

R¹ is NH₂- and

R² is an aliphatic amino acid residue.

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93.

(Amended) The method of claim ~~15~~ wherein

X¹ is an aromatic amino acid residue;

X² is an acidic amino acid residue;

R¹ is NH₂- and

R² is an aliphatic amino acid residue.

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94.

(Amended) The method of claim ~~15~~ wherein

X¹ is phenyl alanine;

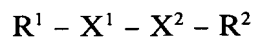
R¹ is NH₂- and

R² is a single aliphatic amino acid residue.

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Please add new claims 104 and 105 as follows:

--104. A method for treating anaphylactic hypotension in a mammal comprising administering to the mammal an effective amount of a peptide of the formula:



wherein X¹ is an aromatic amino acid residue;

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X^2 is any acidic or aliphatic amino acid residue; and

R^1 is NH_2 - or an amino acid sequence $X^3 - X^4 - X^5$

wherein X^3 is an aliphatic amino acid residue having a side chain hydroxyl group,
 X^4 is an acidic or aliphatic amino acid residue, and X^5 is an aliphatic amino acid residue
and wherein R^2 is 1 to 3 amino acid residues which are the same or different and are
aliphatic amino acid residues or of an effective fragment or derivative of said peptide.--

--105. A method of reducing an anaphylactic reaction in a mammal comprising
administering to the mammal an effective amount of a peptide of the formula:

Hs
conc $R^1 - X^1 - X^2 - R^2$

wherein X^1 is an aromatic amino acid residue;

X^2 is any acidic or aliphatic amino acid residue; and

R^1 is NH_2 - or an amino acid sequence $X^3 - X^4 - X^5$

wherein X^3 is an aliphatic amino acid residue having a side chain hydroxyl group,
 X^4 is an acidic or aliphatic amino acid residue, and X^5 is an aliphatic amino acid residue
and wherein R^2 is 1 to 3 amino acid residues which are the same or different and are
aliphatic amino acid residues or of an effective fragment or derivative of said peptide.--